

## ABSTRACT

This invention refers to peripheral equipment of computer and is a wireless and passive tablet for inputting to computer that converts the track of handwriting to digital X, Y coordinates and then inputs it to computer and then displays the track if the tablet on screen of computer directly with corresponding driver program and application software. The characteristic of the wireless and passive tablet is using the coil of X, Y direction in transmitting and receiving, in the concrete, MCU2 chip generates square wave and inputs to transmitting circuit, the electromagnetic wave transmitted is inputted to circuit of pen to form resonance that will be outputted to receiving circuit connects amplifying circuit to amplifies the signal and input into a phase angle detecting circuit and an amplitude detecting circuit respectively to control the phase angle and amplitude. And then the signal is inputted to primary CPU through integral and A/D conversion to realize the writing function of wireless pen finally.